

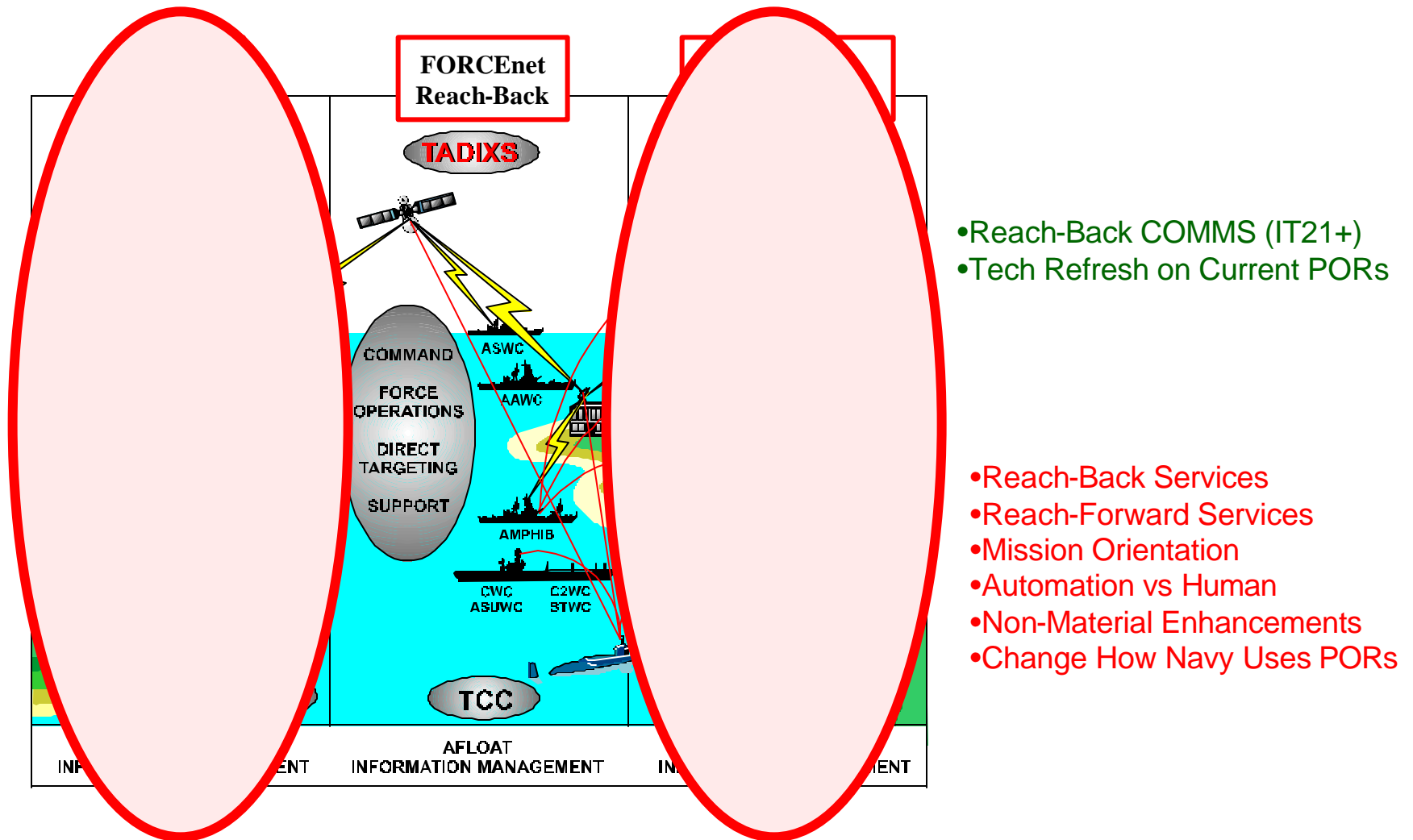
Network Centric Warfare Discussion C2 Working Group

29 June 2005

**Brian Clingerman
OPNAV 71T**

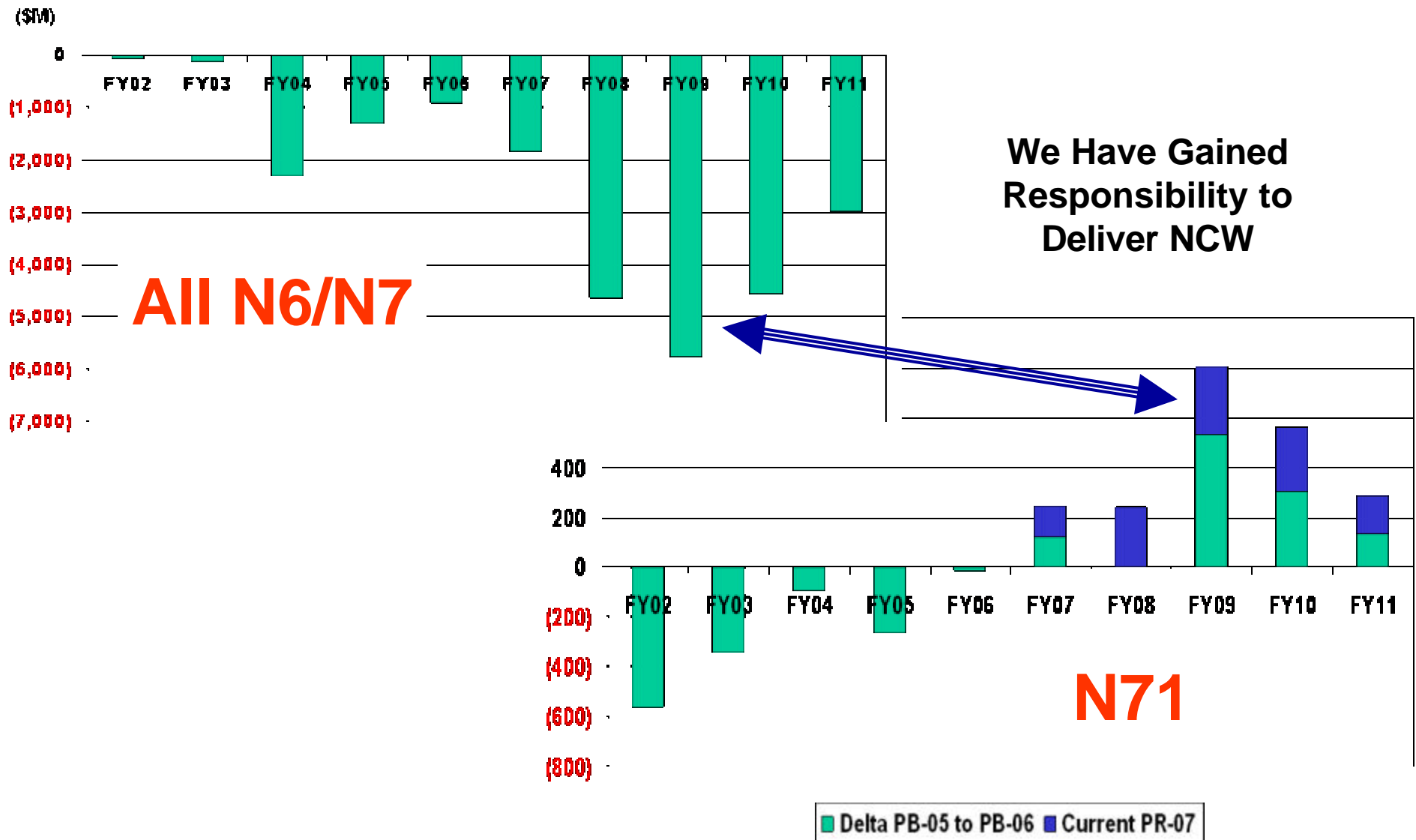
~~Copernicus~~ Architecture

FORCEnet

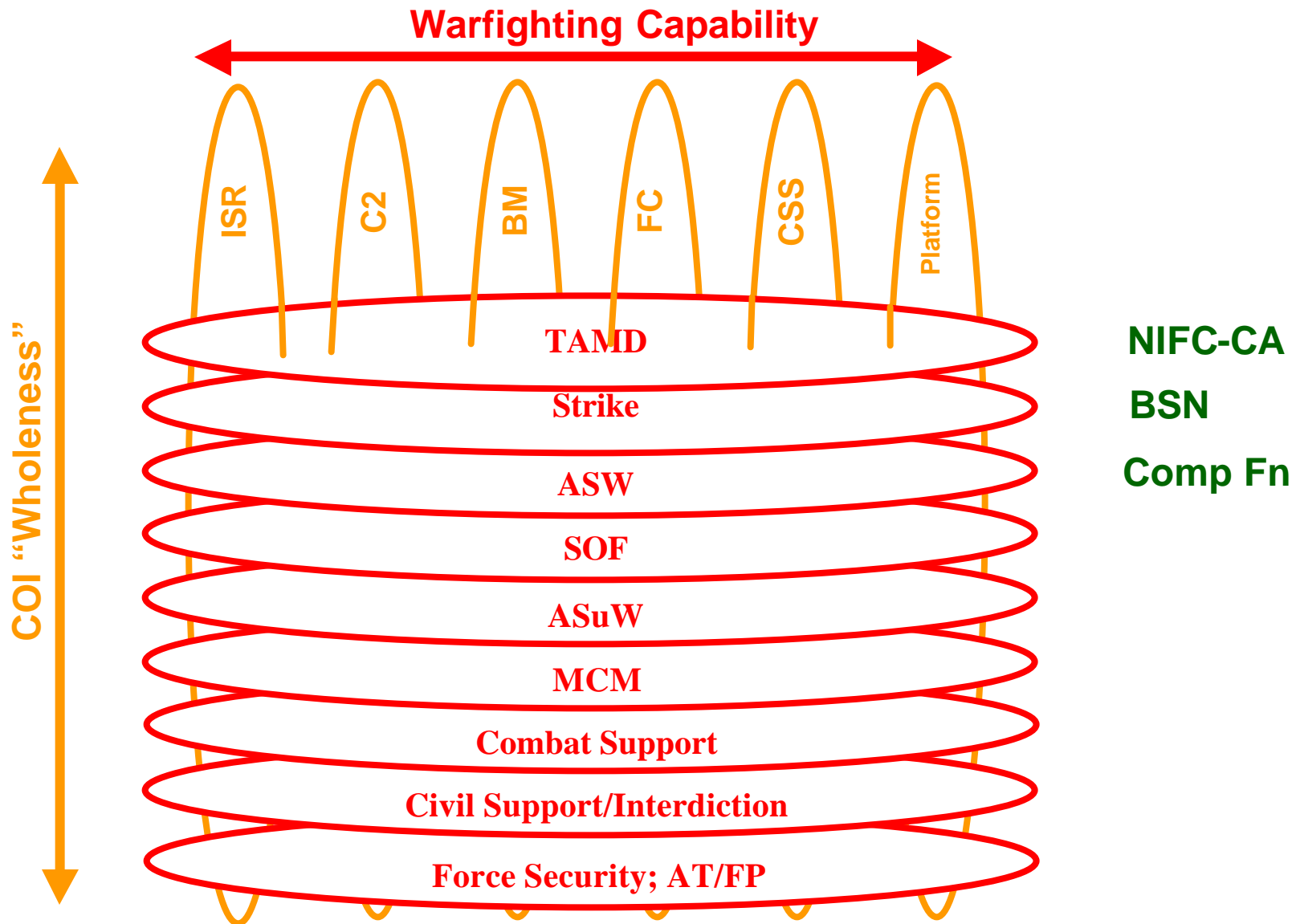


A Technical and Implementation Strategy

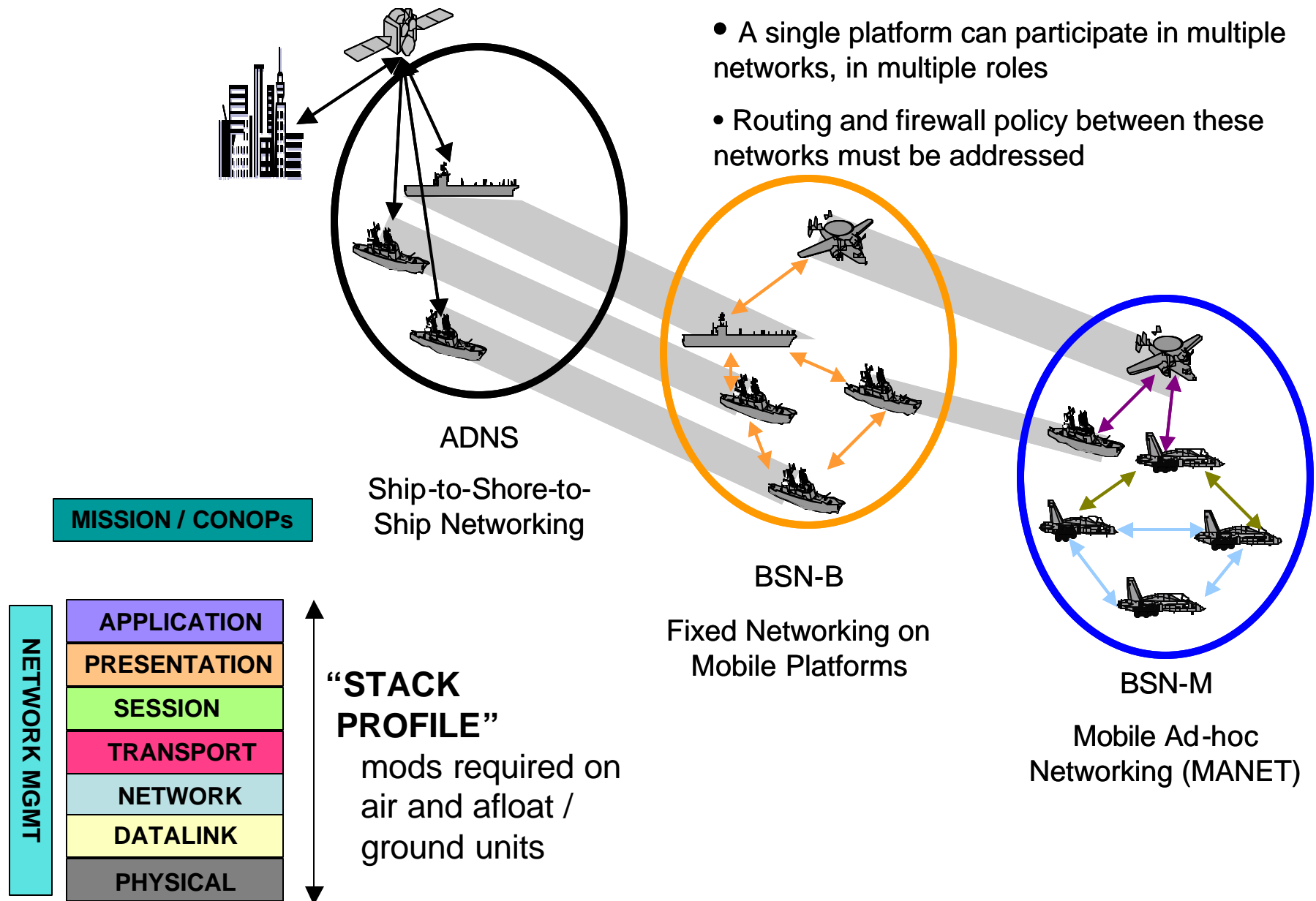
N6/N7 Trends (N71 Trends)



Integration Observations



FORCEnet Forward-Reach



- A single platform can participate in multiple networks, in multiple roles
- Routing and firewall policy between these networks must be addressed

FORCEnet needs a common vocabulary

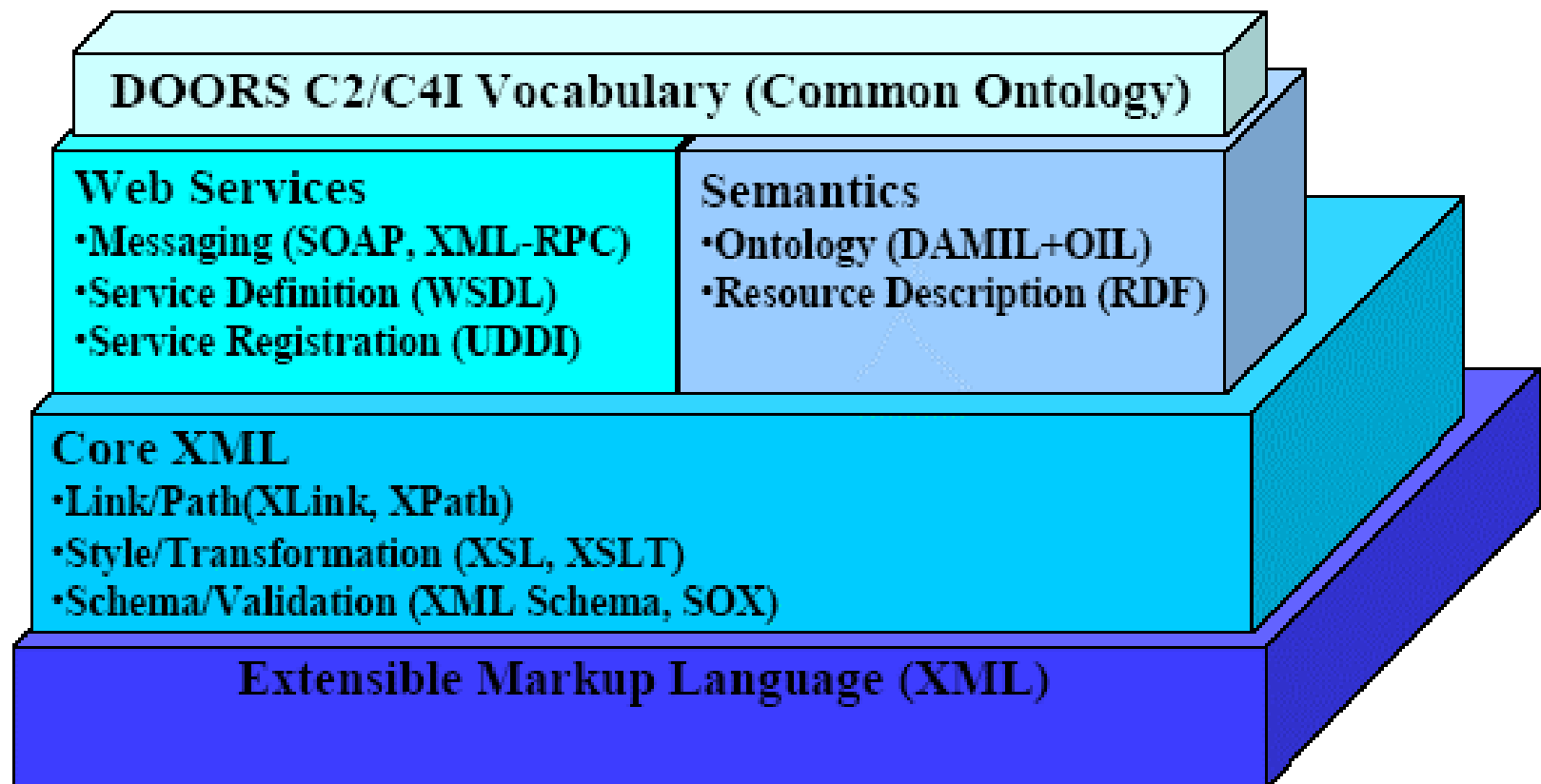
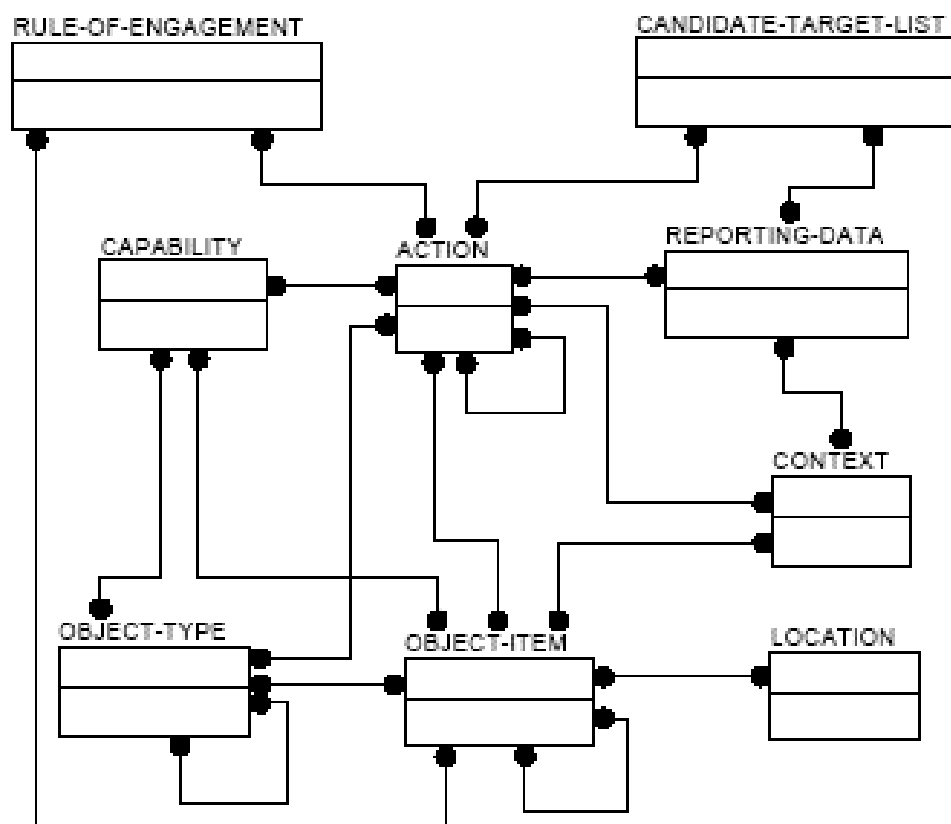


Figure 4 -
"Use of XML Technologies/Specifications in DOORS "

JC3IEDM Origins – Objective of the Multilateral Interoperability Programme (MIP)

- To define the *minimum* operational and technical requirements to be included within system specification which will allow national C2 systems to interoperate by the automatic exchange of data i.e. Level 5 of System Interconnection



Semantic Mediation Reduces the “N-Squared” Problem

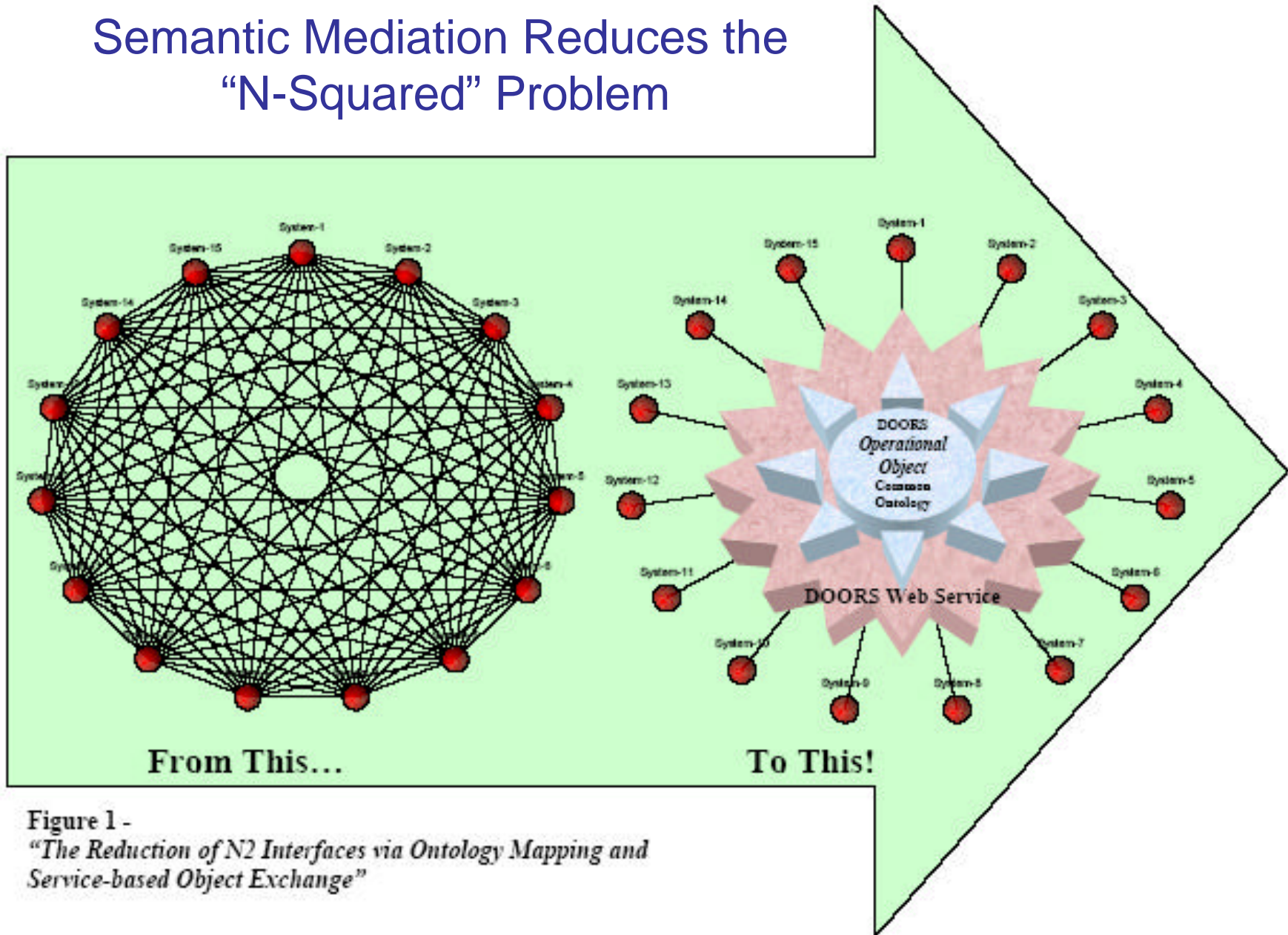


Figure 1 -
*“The Reduction of N2 Interfaces via Ontology Mapping and
Service-based Object Exchange”*

Priorities

- What is the revolution in doctrine? (Non-Material)
- Where Does the Navy Buy-Back Manning Reductions? (Automation or Process Improvements)
- Material Solutions – the whole stack
 - Computer Network Defense
 - FORCEnet Forward-Reach
 - Exposing Knowledge